Ana Benito

List of Publications by Year
in descending order

184 papers	7,273 citations	53660 45 h-index	62479 80 g-index
191 all docs	191 docs citations	191 times ranked	9335 citing authors

#	Article	IF	Citations
1	Synthesis of a new polyaniline/nanotube composite: â€œin-situâ€•polymerisation and charge transfer through site-selective interaction. Chemical Communications, 2001, , 1450-1451.	2.2	457
2	Sensitivity of single wall carbon nanotubes to oxidative processing: structural modification, intercalation and functionalisation. Carbon, 2003, 41, 2247-2256.	5.4	333
3	Supramolecular-Enhanced Charge Transfer within Entangled Polyamide Chains as the Origin of the Universal Blue Fluorescence of Polymer Carbon Dots. Journal of the American Chemical Society, 2018, 140, 12862-12869.	6.6	242
4	Improving the mechanical properties of graphene oxide based materials by covalent attachment of polymer chains. Carbon, 2013, 52, 363-371.	5.4	232
5	Production of high-density single-walled nanotube material by a simple laser-ablation method. Chemical Physics Letters, 1998, 292, 587-593.	1.2	228
6	Pyrolytically grown BxCyNz nanomaterials: nanofibres and nanotubes. Chemical Physics Letters, 1996, 257, 576-582.	1.2	223
7	Flexible conductive graphene paper obtained by direct and gentle annealing of graphene oxide paper. Carbon, 2012, 50, 835-844.	5.4	204
8	Hydrogen sensors based on carbon nanotubes thin films. Synthetic Metals, 2005, 148, 15-19.	2.1	183
9	Soluble Self-Aligned Carbon Nanotube/Polyaniline Composites. Advanced Materials, 2005, 17, 278-281.	11.1	171
10	Hydrogen adsorption studies on single wall carbon nanotubes. Carbon, 2004, 42, 1243-1248.	5.4	154
11	Graphene-based potentiometric biosensor for the immediate detection of living bacteria. Biosensors and Bioelectronics, 2014, 54, 553-557.	5.3	147
12	Hydrogen Capacity of Palladium-Loaded Carbon Materials. Journal of Physical Chemistry B, 2006, 110, 6643-6648.	1.2	138
13	Single-Walled Carbon Nanotubes as Electrodes in Supercapacitors. Journal of the Electrochemical Society, 2004, 151, A831.	1.3	118
14	Carbon nanotube networks as gas sensors for NO2 detection. Talanta, 2008, 77, 758-764.	2.9	117
15	Porosity, Surface Area, Surface Energy, and Hydrogen Adsorption in Nanostructured Carbons. Journal of Physical Chemistry B, 2004, 108, 15820-15826.	1.2	112
16	Diameter distribution of single wall carbon nanotubes in nanobundles. European Physical Journal B, 2000, 18, 201-205.	0.6	109
17	A novel amperometric biosensor based on gold nanoparticles anchored on reduced graphene oxide for sensitive detection of l-lactate tumor biomarker. Biosensors and Bioelectronics, 2015, 69, 280-286.	5.3	107
18	Synthesis and characterization of new polyaniline/nanotube composites. Materials Science and Engineering C, 2003, 23, 87-91.	3.8	105

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19	Simultaneous Reduction of Graphene Oxide and Polyaniline: Doping-Assisted Formation of a Solid-State Charge-Transfer Complex. Journal of Physical Chemistry C, 2011, 115, 10468-10474.	1.5	104
20	The effect of gamma-irradiation on few-layered graphene materials. Applied Surface Science, 2014, 301, 264-272.	3.1	104
21	Reduced Graphene Oxide Films as Solid Transducers in Potentiometric All-Solid-State Ion-Selective Electrodes. Journal of Physical Chemistry C, 2012, 116, 22570-22578.	1.5	103
22	Modifications of single-wall carbon nanotubes upon oxidative purification treatments. Nanotechnology, 2003, 14, 691-695.	1.3	102
23	Novel selective sensors based on carbon nanotube films for hydrogen detection. Sensors and Actuators B: Chemical, 2007, 122, 75-80.	4.0	99
24	Carbon nanotubes production by catalytic pyrolysis of benzene. Carbon, 1998, 36, 681-683.	5.4	95
25	A soluble and highly functional polyanilineâ€“carbon nanotube composite. Nanotechnology, 2005, 16, S150-S154.	1.3	94
26	Thermal cracking of coal residues: Kinetics of asphaltene decomposition. Fuel, 1997, 76, 871-877.	3.4	84
27	The effect of the thermal reduction temperature on the structure and sorption capacity of reduced graphene oxide materials. Applied Surface Science, 2016, 361, 213-220.	3.1	78
28	Raman characterization of singlewalled carbon nanotubes and PMMA-nanotubes composites. Synthetic Metals, 1999, 103, 2510-2512.	2.1	71
29	Carbon nanotube Y junctions: growth and properties. Diamond and Related Materials, 2004, 13, 241-249.	1.8	69
30	Integration and bioactivity of hydroxyapatite grown on carbon nanotubes and graphene oxide. Carbon, 2014, 79, 590-604.	5.4	69
31	Control of the microstructure and surface chemistry of graphene aerogels via pH and time manipulation by a hydrothermal method. Nanoscale, 2018, 10, 3526-3539.	2.8	68
32	Revisiting Graphene Oxide Chemistry via Spatially-Resolved Electron Energy Loss Spectroscopy. Chemistry of Materials, 2016, 28, 3741-3748.	3.2	67
33	Microwave single walled carbon nanotubes purification. Chemical Communications, 2002, , 1000-1001.	2.2	65
34	The influence of single-walled carbon nanotube functionalization on the electronic properties of their polyaniline composites. Carbon, 2008, 46, 1909-1917.	5.4	64
35	Carbon Nanotube Effect on Polyaniline Morphology in Water Dispersible Composites. Journal of Physical Chemistry B, 2010, 114, 1579-1585.	1.2	64
36	Synthesis and Properties of Optically Active Polyaniline Carbon Nanotube Composites. Macromolecules, 2006, 39, 7324-7332.	2.2	63

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37	Gas and pressure effects on the production of single-walled carbon nanotubes by laser ablation. Carbon, 2000, 38, 1445-1451.	5.4	61
38	Covalent functionalization of MWCNTs with poly(p-phenylene sulphide) oligomers: a route to the efficient integration through a chemical approach. Journal of Materials Chemistry, 2012, 22, 21285.	6.7	58
39	Production of carbon nanotubes: the light approach. Carbon, 2002, 40, 1685-1695.	5.4	56
40	The effect of ultra-thin graphite on the morphology and physical properties of thermoplastic polyurethane elastomer composites. Composites Science and Technology, 2012, 72, 1595-1601.	3.8	55
41	Environmental impact of the production of graphene oxide and reduced graphene oxide. SN Applied Sciences, 2019, 1, 1.	1.5	55
42	One-step microwave synthesis of palladiumâ€“carbon nanotube hybrids with improved catalytic performance. Carbon, 2011, 49, 652-658.	5.4	54
43	Carbon nanotube growth on cobalt-sprayed substrates by thermal CVD. Materials Science and Engineering C, 2006, 26, 1185-1188.	3.8	51
44	Controlling the surface chemistry of graphene oxide: Key towards efficient ZnO-GO photocatalysts. Catalysis Today, 2020, 357, 350-360.	2.2	50
45	Hydrogen adsorption on a single-walled carbon nanotube material: a comparative study of three different adsorption techniques. Nanotechnology, 2004, 15, 1503-1508.	1.3	48
46	Optically Active Polymer Carbon Nanotube Composite. Journal of Physical Chemistry B, 2005, 109, 22725-22729.	1.2	47
47	Performing current versus voltage measurements of single-walled carbon nanotubes using scanning force microscopy. Applied Physics Letters, 2002, 80, 1462-1464.	1.5	46
48	Self-assembled graphene aerogel and nanodiamond hybrids as high performance catalysts in oxidative propane dehydrogenation. Journal of Materials Chemistry A, 2015, 3, 24379-24388.	5.2	46
49	Interfacing Transition Metal Dichalcogenides with Carbon Nanodots for Managing Photoinduced Energy and Charge-Transfer Processes. Journal of the American Chemical Society, 2018, 140, 13488-13496.	6.6	45
50	Mechanical Characterization of Carbon Nanotube Composite Materials. Mechanics of Advanced Materials and Structures, 2005, 12, 13-19.	1.5	44
51	Influence of molybdenum on the chemical vapour deposition production of carbon nanotubes. Nanotechnology, 2005, 16, S224-S229.	1.3	41
52	Single-walled carbon nanotubes produced by cw CO 2 -laser ablation: study of parameters important for their formation. Applied Physics A: Materials Science and Processing, 2000, 70, 145-151.	1.1	39
53	Graphene oxideâ€“carbon nanotube hybrid assemblies: cooperatively strengthened OHâ‹¯Oî€€ hydrogen bonds and the removal of chemisorbed water. Chemical Science, 2017, 8, 4987-4995.	3.7	39
54	Kinetics of Conradson Carbon Residue Conversion in the Catalytic Hydroprocessing of a Maya Residue. Industrial & Engineering Chemistry Research, 1998, 37, 11-17.	1.8	38

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55	Mechanical and Electrical Properties of Nanosized Contacts on Single-Walled Carbon Nanotubes. Advanced Materials, 2000, 12, 573-576.	11.1	37
56	Diameter dependence of Raman intensities for single-wall carbon nanotubes. Physical Review B, 2001, 63, .	1.1	35
57	Nanofibrilar Polyaniline: Direct Route to Carbon Nanotube Water Dispersions of High Concentration. Macromolecular Rapid Communications, 2009, 30, 418-422.	2.0	35
58	Aligned carbon nanotubes grown on alumina and quartz substrates by a simple thermal CVD process. Diamond and Related Materials, 2006, 15, 1059-1063.	1.8	34
59	Electronic Interactions in Illuminated Carbon Dot/MoS₂ Ensembles and Electrocatalytic Activity towards Hydrogen Evolution. Chemistry - A European Journal, 2018, 24, 10468-10474.	1.7	33
60	Reduced Graphene Oxide Aerogels with Controlled Continuous Microchannels for Environmental Remediation. ACS Applied Nano Materials, 2019, 2, 1210-1222.	2.4	33
61	Charge transport properties of water dispersible multiwall carbon nanotube-polyaniline composites. Journal of Applied Physics, 2010, 107, 103719.	1.1	32
62	Graphene aerogels via hydrothermal gelation of graphene oxide colloids: Fine-tuning of its porous and chemical properties and catalytic applications. Advances in Colloid and Interface Science, 2021, 292, 102420.	7.0	32
63	Synthesis and characterisation of the methanofullerenes, C60(CHCN) and C60(CBr2). Tetrahedron Letters, 1996, 37, 1085-1086.	0.7	31
64	Towards helical and Y-shaped carbon nanotubes: the role of sulfur in CVD processes. Nanotechnology, 2006, 17, 4292-4299.	1.3	30
65	Unique Properties and Behavior of Nonmercerized Type-II Cellulose Nanocrystals as Carbon Nanotube Biocompatible Dispersants. Biomacromolecules, 2019, 20, 3147-3160.	2.6	30
66	Enhanced hydrogen adsorption on single-wall carbon nanotubes by sample reduction. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 108, 120-123.	1.7	29
67	Processing dependency of percolation threshold of MWCNTs in a thermoplastic elastomeric block copolymer. Polymer, 2011, 52, 1788-1796.	1.8	29
68	Reduced graphene oxide: firm support for catalytically active palladium nanoparticles and game changer in selective hydrogenation reactions. Nanoscale, 2013, 5, 10189.	2.8	29
69	Cobalt-Doped ZnO Nanorods Coated with Nanoscale Metalâ€“Organic Framework Shells for Water-Splitting Photoanodes. ACS Applied Nano Materials, 2020, 3, 7781-7788.	2.4	29
70	Effects of partial and total methane flows on the yield and structural characteristics of MWCNTs produced by CVD. Carbon, 2009, 47, 998-1004.	5.4	27
71	Optimizing catalyst nanoparticle distribution to produce densely-packed carbon nanotube growth. Carbon, 2009, 47, 1989-2001.	5.4	27
72	Arc-grown Y-branched carbon nanotubes observed by scanning tunneling microscopy (STM). Chemical Physics Letters, 2002, 365, 338-342.	1.2	26

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73	Conjugated Polymer Nanoparticleâ€“Graphene Oxide Chargeâ€Transfer Complexes. Advanced Functional Materials, 2018, 28, 1707548.	7.8	26
74	Preparation of palladium loaded carbon nanotubes and activated carbons for hydrogen sorption. Journal of Alloys and Compounds, 2007, 436, 294-297.	2.8	25
75	Kinetics of asphaltene hydroconversion. Fuel, 1997, 76, 907-911.	3.4	24
76	High catalytic performance of palladium nanoparticles supported on multiwalled carbon nanotubes in alkene hydrogenation reactions. New Journal of Chemistry, 2013, 37, 1968.	1.4	24
77	Detailed thermal reduction analyses of graphene oxide via in-situ TEM/EELS studies. Carbon, 2021, 178, 477-487.	5.4	24
78	Evolution of multiwalled carbon-nanotube/SiO2composites via laser treatment. Nanotechnology, 2003, 14, 184-187.	1.3	23
79	Platelet-like catalyst design for high yield production of multi-walled carbon nanotubes by catalytic chemical vapor deposition. Carbon, 2011, 49, 2483-2491.	5.4	23
80	Visualization of single-walled carbon nanotubes electrical networks by scanning force microspy. Applied Physics Letters, 2001, 79, 2979-2981.	1.5	22
81	Single-walled carbon nanotubes formation with a continuous CO 2 -laser: experiments and theory. Applied Physics A: Materials Science and Processing, 2000, 70, 161-168.	1.1	21
82	Production of carbon nanotubes by CO2-laser evaporation of various carbonaceous feedstock materials. Nanotechnology, 2001, 12, 147-151.	1.3	21
83	The viscosity of dilute carbon nanotube (1D) and graphene oxide (2D) nanofluids. Physical Chemistry Chemical Physics, 2020, 22, 11474-11484.	1.3	21
84	Single-walled carbon nanotube-supported platinum nanoparticles as fuel cell electrocatalysts. Journal of Materials Research, 2006, 21, 2841-2846.	1.2	20
85	Carbon nanotube-supported gold nanoparticles as efficient catalyst for the selective hydrogenation of nitroaromatic derivatives to anilines. Materials Today Communications, 2015, 3, 104-113.	0.9	20
86	Two-stage liquefaction of a Spanish subbituminous coal. Fuel Processing Technology, 1993, 33, 159-173.	3.7	19
87	MÃ¶ssbauer and magnetic characterisation of carbon-coated small iron particles. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 1930-1932.	1.0	19
88	Visbreaking of an asphaltenic coal residue. Fuel, 1995, 74, 922-927.	3.4	18
89	Kinetics of asphaltene hydroconversion. Fuel, 1997, 76, 899-905.	3.4	18
90	Upgrading of a Petroleum Residue. Kinetics of Conradson Carbon Residue Conversion. Industrial & Engineering Chemistry Research, 1999, 38, 938-943.	1.8	18

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91	Combination of two dispersants as a valuable strategy to prepare improved poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 74	3.8	18
92	Towards high-efficient microsupercapacitors based on reduced graphene oxide with optimized reduction degree. Energy Storage Materials, 2020, 25, 740-749.	9.5	18
93	Niâ€“Y/Mo catalyst for the large-scale CVD production of multi-wall carbon nanotubes. Carbon, 2005, 43, 3034-3037.	5.4	16
94	In-situ reduction by Joule heating and measurement of electrical conductivity of graphene oxide in a transmission electron microscope. 2D Materials, 2021, 8, 031001.	2.0	16
95	Polyazomethine/carbon nanotube composites. Materials Science and Engineering C, 2006, 26, 1198-1201.	3.8	15
96	FTIR and Thermogravimetric Analysis of Biotin-Functionalized Single-Walled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2007, 7, 3473-3476.	0.9	15
97	Carbon Nanotube Mediated Reduction in Optical Activity in Polyaniline Composite Materials. Journal of Physical Chemistry C, 2008, 112, 1441-1445.	1.5	15
98	Electrochemical Grafting of Reduced Graphene Oxide with Polydiphenylamine Doped with Heteropolyanions and Its Optical Properties. Journal of Physical Chemistry C, 2014, 118, 25704-25717.	1.5	15
99	Functionalized carbon dots on TiO2 for perovskite photovoltaics and stable photoanodes for water splitting. International Journal of Hydrogen Energy, 2021, 46, 12180-12191.	3.8	15
100	Upgrading of an Asphaltenic Coal Residue:Â Thermal Hydroprocessing. Energy & Fuels, 1996, 10, 401-408.	2.5	14
101	Electrical characterization of single-walled carbon nanotubes with Scanning Force Microscopy. Materials Science and Engineering C, 2001, 15, 149-151.	3.8	14
102	STM observation of asymmetrical Y-branched carbon nanotubes and nano-knees produced by the arc discharge method. Materials Science and Engineering C, 2003, 23, 561-564.	3.8	14
103	Important parameters for the catalytic nanoparticles formation towards the growth of carbon nanotube aligned arrays. Diamond and Related Materials, 2007, 16, 1082-1086.	1.8	14
104	Crystalline Transformations in Nylon-6/Single-Walled Carbon Nanotube Nanocomposites. Journal of Nanoscience and Nanotechnology, 2009, 9, 6120-6126.	0.9	14
105	A versatile room-temperature method for the preparation of customized fluorescent non-conjugated polymer dots. Polymer, 2019, 177, 97-101.	1.8	14
106	Catalytic Hydrocracking of an Asphaltenic Coal Residue. Energy & Fuels, 1996, 10, 1235-1240.	2.5	12
107	Percolating Metallic Structures Templated on Laser-Deposited Carbon Nanofoams Derived from Graphene Oxide: Applications in Humidity Sensing. ACS Applied Nano Materials, 2018, 1, 1828-1835.	2.4	12
108	Bottomâ€Up Synthesized MoS 2 Interfacing Polymer Carbon Nanodots with Electrocatalytic Activity for Hydrogen Evolution. Chemistry - A European Journal, 2020, 26, 6635-6642.	1.7	12

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109	Structures of soot generated by laser induced pyrolysis of metal-graphite composite targets. Carbon, 1998, 36, 525-528.	5.4	11
110	Single-walled carbon nanotubes produced by laser ablation under different inert atmospheres. Synthetic Metals, 1999, 103, 2490-2491.	2.1	11
111	Study of parameters important for the growth of single wall carbon nanotubes. Optical Materials, 2001, 17, 331-334.	1.7	11
112	Block Copolymer Assisted Dispersion of Single Walled Carbon Nanotubes and Integration into a Trifunctional Epoxy. Journal of Nanoscience and Nanotechnology, 2009, 9, 6104-6112.	0.9	11
113	Integrating Water-Soluble Polythiophene with Transition-Metal Dichalcogenides for Managing Photoinduced Processes. ACS Applied Materials & Interfaces, 2019, 11, 5947-5956.	4.0	11
114	Chemical Postdeposition Treatments To Improve the Adhesion of Carbon Nanotube Films on Plastic Substrates. ACS Omega, 2019, 4, 2804-2811.	1.6	11
115	Application of petroleum processing technology to the upgrading of coal syncrude. Fuel, 1995, 74, 32-36.	3.4	10
116	The structure of fullerene compounds. Journal of Molecular Structure, 1997, 436-437, 1-9.	1.8	10
117	The influence of the target composition in the structural characteristics of single-walled carbon nanotubes produced by laser ablation. Synthetic Metals, 2001, 121, 1193-1194.	2.1	10
118	Unravelling the hydration mechanism in a multi-layered graphene oxide paper by in-situ X-ray scattering. Carbon, 2018, 137, 379-383.	5.4	10
119	Photoactivity improvement of TiO2 electrodes by thin hole transport layers of reduced graphene oxide. Electrochimica Acta, 2019, 298, 279-287.	2.6	10
120	Effect of nanocellulose polymorphism on electrochemical analytical performance in hybrid nanocomposites with non-oxidized single-walled carbon nanotubes. Mikrochimica Acta, 2022, 189, 62.	2.5	10
121	CVD production of double-wall and triple-wall carbon nanotubes. Diamond and Related Materials, 2007, 16, 1087-1090.	1.8	9
122	Sorption of 4He, H2, Ne, N2, CH4, and Kr impurities in graphene oxide at low temperatures. Quantum effects. Low Temperature Physics, 2013, 39, 1090-1095.	0.2	9
123	A tool box to ascertain the nature of doping and photoresponse in single-walled carbon nanotubes. Physical Chemistry Chemical Physics, 2019, 21, 4063-4071.	1.3	9
124	Waterborne Graphene- and Nanocellulose-Based Inks for Functional Conductive Films and 3D Structures. Nanomaterials, 2021, 11, 1435.	1.9	9
125	Carbon Nanotubes: From Fundamental Nanoscale Objects Towards Functional Nanocomposites and Applications. NATO Science for Peace and Security Series B: Physics and Biophysics, 2008, , 101-119.	0.2	9
126	Modification of Physicochemical Properties and Boosting Electrical Conductivity of Reduced Graphene Oxide Aerogels by Postsynthesis Treatment. Journal of Physical Chemistry C, 2020, 124, 13739-13752.	1.5	9

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127	Synthesis and Processing of Nanomaterials Mediated by Living Organisms. Angewandte Chemie - International Edition, 2022, 61, .	7.2	9
128	Single-walled carbon nanotube buckypaper as support for highly permeable double layer polyamide/zeolitic imidazolate framework in nanofiltration processes. Journal of Membrane Science, 2022, 652, 120490.	4.1	9
129	Kinetics of Sulfur Removal from a Liquid Coal Residue in Thermal, Hydrothermal, and Hydrocatalytic Cracking. Energy & Fuels, 1998, 12, 365-370.	2.5	8
130	Self-Assembled Coreâ€“Shell CdTe/Poly(3-hexylthiophene) Nanoensembles as Novel Donorâ€“Acceptor Light-Harvesting Systems. ACS Applied Materials & Interfaces, 2017, 9, 44695-44703.	4.0	8
131	Ru supported on N-doped reduced graphene oxide aerogels with different N-type for alcohol selective oxidation. Molecular Catalysis, 2020, 484, 110737.	1.0	8
132	Carbon Nanotube Film Electrodes with Acrylic Additives: Blocking Electrochemical Charge Transfer Reactions. Nanomaterials, 2020, 10, 1078.	1.9	8
133	Nanofibrilar-Polyaniline/Carbon Nanotube Composites: Aqueous Dispersions and Films. Journal of Nanoscience and Nanotechnology, 2009, 9, 6157-6163.	0.9	7
134	Laser-Deposited Carbon Aerogel Derived from Graphene Oxide Enables NO₂-Selective Parts-per-Billion Sensing. ACS Applied Materials & Interfaces, 2020, 12, 39541-39548.	4.0	7
135	Electron Trap States and Photopotential of Nanocrystalline Titanium Dioxide Electrodes Filled with Singleâ€Walled Carbon Nanotubes. ChemElectroChem, 2017, 4, 2300-2307.	1.7	6
136	The effect of the thermal reduction on the kinetics of low-temperature 4He sorption and the structural characteristics of graphene oxide. Low Temperature Physics, 2017, 43, 383-389.	0.2	6
137	Intercalated water in multi-layered graphene oxide paper: an X-ray scattering study. Journal of Applied Crystallography, 2017, 50, 876-884.	1.9	6
138	Transport fuels from two-stage coal liquefaction. International Journal of Energy Research, 1994, 18, 257-265.	2.2	5
139	Capacitive and Charge Transfer Effects of Singleâ€Walled Carbon Nanotubes in TiO₂ Electrodes. ChemPhysChem, 2019, 20, 838-847.	1.0	5
140	Differential properties and effects of fluorescent carbon nanoparticles towards intestinal theranostics. Colloids and Surfaces B: Biointerfaces, 2020, 185, 110612.	2.5	5
141	Formation of one-dimensional quantum crystals of molecular deuterium inside carbon nanotubes. Carbon, 2021, 175, 141-154.	5.4	5
142	Optimizing Bacterial Cellulose Production Towards Materials for Water Remediation. NATO Science for Peace and Security Series B: Physics and Biophysics, 2020, , 391-403.	0.2	5
143	Non-Specific Adsorption of Streptavidin on Single Walled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2009, 9, 6149-6156.	0.9	4
144	Nanoscale J-aggregates of poly(3-hexylthiophene): key to electronic interface interactions with graphene oxide as revealed by KPFM. Nanoscale, 2019, 11, 11202-11208.	2.8	4

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145	Inâ€Situ Growth and Immobilization of CdS Nanoparticles onto Functionalized MoS₂: Preparation, Characterization and Fabrication of Photoelectrochemical Cells. Chemistry - an Asian Journal, 2020, 15, 2350-2356.	1.7	4
146	Calculation of the charge spreading along a carbon nanotube seen in scanning tunnelling microscopy (STM). Diamond and Related Materials, 2002, 11, 961-963.	1.8	3
147	NO2 detection with Single Walled Carbon Nanotube Networks. , 2007, , .		3
148	Novel gas sensors based on carbon nanotube networks. Journal of Physics: Conference Series, 2008, 127, 012012.	0.3	3
149	Processing Route to Disentangle Multi-Walled Carbon Nanotube Towards Ceramic Composite. Journal of Nanoscience and Nanotechnology, 2009, 9, 6164-6170.	0.9	3
150	The effect of the temperature of graphene oxide reduction on low-temperature sorption of 4He. Low Temperature Physics, 2016, 42, 57-59.	0.2	3
151	Carbon Nanofoam Supercapacitor Electrodes with Enhanced Performance Using a Water-Transfer Process. ACS Omega, 2018, 3, 15134-15139.	1.6	3
152	Charge-transfer characteristics in carbon nanostructure/metal oxide photoelectrodes efficiently probed by hydrogen peroxide. Journal of Electroanalytical Chemistry, 2018, 828, 86-90.	1.9	3
153	Optical properties and carrier dynamics in Co-doped ZnO nanorods. Nanoscale Advances, 2021, 3, 214-222.	2.2	3
154	Nanoscale Charge Density and Dynamics in Graphene Oxide. , 2021, 3, 1826-1831.		3
155	Hybrids of Reduced Graphene Oxide Aerogel and CNT for Electrochemical O2 Reduction. Catalysts, 2021, 11, 1404.	1.6	3
156	Raman Investigation of Singlewalled Carbon Nanotubes. Molecular Crystals and Liquid Crystals, 1998, 322, 71-78.	0.3	2
157	A New Structural Model for Graphene Oxide and Reduced Graphene Oxide as Revealed by Core EELS and DFT. Microscopy and Microanalysis, 2014, 20, 1774-1775.	0.2	2
158	The effect of graphene oxide reduction temperature on the kinetics of low-temperature sorption of hydrogen. Low Temperature Physics, 2019, 45, 422-426.	0.2	2
159	Carbon Nanotube Composite Materials: Opportunities and Processing Issues. NATO Science for Peace and Security Series B: Physics and Biophysics, 2009, , 181-198.	0.2	2
160	Synthesis and Processing of Nanomaterials Mediated by Living Organisms. Angewandte Chemie, 2022, 134, .	1.6	2
161	DEASPHALTING AND CHARACTERIZATION OF A SYNCRUDE OBTAINED BY DIRECT LIQUEFACTION OF A SPANISH SUBBITUMINOUS COAL. Petroleum Science and Technology, 1994, 12, 1509-1538.	0.2	1
162	Structure and vibrational properties of single wall carbon nanotubes. Synthetic Metals, 1999, 103, 2537-2539.	2.1	1

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163	Charge spreading effects during 3D tunneling through a supported carbon nanotube. AIP Conference Proceedings, 2001, , .	0.3	1
164	Hyperfine and Magnetic Characterization of Fe Particles Hosted in Carbon Nanocapsules. Hyperfine Interactions, 2001, 134, 103-108.	0.2	1
165	Multi-Walled Carbon Nanotube Networks As Gas Sensors for NO2 Detection. , 2007, , .		1
166	Mechanical and Electrical Properties of Nanosized Contacts on Single-Walled Carbon Nanotubes. , 2000, 12, 573.		1
167	Incorporation of Multi Wall Carbon Nanotubes into Glass-Surfaces via Laser-Treatment. Materials Research Society Symposia Proceedings, 2003, 772, 281.	0.1	1
168	INVESTIGATION OF THE EXISTENCE OF COAL MATRIX EFFECTS ON THE HYDROLIQUEFACTION OF VITRINITES DERIVED FROM LOW RANK SPANISH COALS. Petroleum Science and Technology, 1994, 12, 1-20.	0.7	0
169	Hydrocessing of an asphaltenic coal residue. Coal Science and Technology, 1995, , 1467-1470.	0.0	0
170	Raman studies of singlewalled nanotubes. , 1998, , .		0
171	Molecular dynamics of single wall nanotubes. , 1998, , .		0
172	Production of bundles of single walled nanotubes by a simple laser ablation technique. , 1999, , .		0
173	Solar synthesis of single wall carbon nanotubes. , 1999, , .		0
174	Sprayed Carbon Nanotube Thin Films as Hydrogen Sensors. Materials Research Society Symposia Proceedings, 2005, 900, 1.	0.1	0
175	Selected Peer-Reviewed Articles from the 2nd International Conference on the Chemistry on Carbon Nanotubes (ChemOnTubes 2008). Journal of Nanoscience and Nanotechnology, 2009, 9, 6013-6014.	0.9	0
176	Graphene Sensors Operating at Room Temperature for Detection of Low Concentrations of NO<inf>2</inf>. , 2018, , .		0
177	Nanostructured Carbon Materials: Synthesis and Applications. NATO Science for Peace and Security Series B: Physics and Biophysics, 2018, , 177-191.	0.2	0
178	Preparation of Metallic and Semiconducting SWCNT Inks by a Simple Chromatographic Method: A Two-Parameter Study. NATO Science for Peace and Security Series B: Physics and Biophysics, 2018, , 229-238.	0.2	0
179	Carbon Nanostructures and Polysaccharides for Biomedical Materials. RSC Nanoscience and Nanotechnology, 2021, , 98-152.	0.2	0
180	Rational description and modelling of the separation of nanotubes from solid nanoparticles in centrifugation processes. Carbon Trends, 2021, 5, 100084.	1.4	0

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